

Detroit Edison



Reg. Guide 1.16

October 13, 1998
NRC-98-0139

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington D C 20555

Reference: Fermi 2
NRC Docket No. 50-341
NRC Operating License No. NPF-43

Subject: Monthly Operating Status Report for September 1998

Enclosed for your information and use is the Fermi 2 Monthly Operating Status Report for September 1998. This report includes the Operating Data Report, Average Daily Unit Power Level, and the Summary of Unit Shutdowns and Power Reductions identified in NRC Regulatory Guide 1.16 and Fermi 2 Technical Specification 6.9.1.6.

If you have any questions, please contact me, at (734) 586-4258.

Sincerely,

Norman K. Peterson
Director - Nuclear Licensing

Enclosures

cc: Regional Administrator, Region III
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OPERATING DATA REPORT

DOCKET NO. 50-341
 DATE October 12, 1998

COMPLETED BY K. Burke
 TELEPHONE (734) 586-5148

OPERATING STATUS

1. Unit name: Fermi 2
2. Reporting period: September 1998
3. Licensed thermal power (MWt): 3430
4. Nameplate rating (Gross MWe): 1217
5. Design elect rating (Net MWe): 1116 (2)
6. Max dependable cap (Gross MWe): 1147
7. Max dependable cap (Net MWe): 1098
8. If changes occur in capacity ratings (Items number 3 through 7) since last report, give reasons:
N/A
9. Power level to which restricted, if any (MWe Net): (2), (3)
10. Reasons for restriction, if any: (2), (3)

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. Hours in reporting period	<u>720</u>	<u>6551</u>	<u>93,685</u>
12. Hours reactor was critical	<u>90.5</u>	<u>5508.1</u>	<u>65,763.0</u>
13. Reactor reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours generator on-line	<u>90.5</u>	<u>5464.8</u>	<u>62,422.5</u>
15. Unit reserve shutdown hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross thermal energy gen (MWH)	<u>273,120</u>	<u>17,342,808</u>	<u>192,161,843</u>
17. Gross elect energy gen (MWH)	<u>93,140</u>	<u>5,999,930</u>	<u>62,279,037</u>
18. Net elect energy gen (MWH)	<u>83,620</u>	<u>5,738,962</u>	<u>59,474,399</u>
19. Unit service factor	<u>12.6%</u>	<u>83.4%</u>	<u>66.6%</u>
20. Unit availability factor	<u>12.6%</u>	<u>83.4%</u>	<u>66.6%</u>
21. Unit cap factor (using MDC net)	<u>10.6%</u>	<u>79.8%</u>	<u>61.5% (1)</u>
22. Unit cap factor (using DER net)	<u>10.4%</u>	<u>78.5%</u>	<u>57.4% (1)</u>
23. Unit forced outage rate	<u>0.0%</u>	<u>7.7%</u>	<u>21.7%</u>
24. Shutdowns scheduled over next 6 months (Type, Date, Duration of each):	<u>None</u>		
25. If shutdown at end of report period, estimated date of startup:	<u>10/23/1998</u>		
26. Units in test status (prior to commercial operation):	<u>N/A</u>		

- Notes: (1) Calculated using weighted averages to reflect variations in rating (MDC and DER) from initial commercial operation.
- (2) Design electrical rating reflects 96% reactor power, pending completion of Power Uprate Program Testing.
- (3) Power restricted to 88% while operating with only 3 of 4 Turbine Control Valves open.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-341

UNIT Fermi 2

DATE October 12, 1998

COMPLETED BY K. Burke

TELEPHONE (734) 586-5148

Month September 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	980	16	0
2	984	17	0
3	987	18	0
4	763	19	0
5	0	20	0
6	0	21	0
7	0	22	0
8	0	23	0
9	0	24	0
10	0	25	0
11	0	26	0
12	0	27	0
13	0	28	0
14	0	29	0
15	0	30	0

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-341
 DATE: October 12, 1998

COMPLETED BY: K. Burke
 TELEPHONE: (734) 586-5148

REPORT MONTH September 1998

No. (6)	Date	TYPE (1)	Dur (Hrs) (7)	Reason (2)	Method of shutting down reactor or reducing power (3)	LER No.	Sys Code (4)	Comp Code (5)	Cause and Corrective Action to Prevent Recurrence
S98-03	9/4/1998	S	629.5	C	2	98-005	TA	TC	During scheduled shutdown for 6 th refuel outage, reactor was manually scrammed when power oscillations were detected. Oscillations were determined to be caused by wear in the control valve operating linkage. Repairs are planned during RFO6.

(1) F: Forced
 S: Scheduled

(2) REASON:
 A - Equipment Failure (Explain)
 B - Maintenance or Test
 C - Refueling
 D - Regulatory Restriction
 E - Operations Training and License Examination
 F - Administrative
 G - Operational Error (Explain)
 H - Other (Explain)

(3) METHOD:
 1 - Manual
 2 - Manual Scram
 3 - Automatic Scram
 4 - Continued
 5 - Reduced Load
 9 - Other

(4) Instructions for preparation of data entry sheets for Licensee Event Report (LER) file (NUREG-1022)
 (5) Same Source as (4)
 (6) R - Prefix indicates power reduction.
 S - Prefix indicated plant shutdown.
 (7) Duration of reductions reported as zero per Regulatory Guide 1.16, Revision 4.